

In the Claims:

Please rewrite Claim 1 in amended form to read as follows:

1. (Twice Amended) An electro-mechanical machine, comprising:
a field producing assembly having a cup-shaped air gap which is circumferentially disposed about an axis of rotation, a portion of the air gap remote from the axis extending in a direction lateral to the remainder of the air gap, the field producing assembly producing a circumferential distribution of magnetic flux in the cup-shaped air gap having N periodic extremes of flux density about the axis, the field producing assembly having a portion producing a substantially radial field and a portion producing a substantially axial field, both portions producing a field above a leakage level; [the flux in said portion being substantially perpendicular to the direction of extension of the portion;] and
a cup-shaped electrical assembly disposed in the air gap and including a circular array of C non-overlapping coils on one of an inner and outer face of the electrical assembly;
the field producing and electrical assemblies being mounted so as to be relatively rotatable about said axis of rotation.

Serial No. 09/88,636

Mark Up Sheet For Amendment Responsive to Office Action of November 13, 2003

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In response to the Office Action of November 13, 2002 which may be responded to on or before February 13, 2003, it is respectfully requested that the following amendment be entered in order to place the above-identified patent application in condition for allowance:

In the Claims:

Please rewrite Claim 1 to read as follows:

1. (Twice Amended) An electro-mechanical machine, comprising:
a field producing assembly having a cup-shaped air gap which is circumferentially disposed about an axis of rotation, a portion of the air gap remote from the axis extending in a direction lateral to the remainder of the air gap, the field producing assembly producing a circumferential distribution of magnetic flux in the cup-shaped air gap having N periodic extremes of flux density about the axis, the field producing assembly having a portion producing a substantially radial field and a portion producing a substantially axial field, both portions producing a field above a leakage level; and
a cup-shaped electrical assembly disposed in the air gap and including a circular array of C non-overlapping coils on one of an inner and outer face of the electrical assembly;
the field producing and electrical assemblies being mounted so as to be relatively rotatable about said axis of rotation.